

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078422.D
 Acq On : 27 Jun 2023 17:29
 Operator : JC\MD
 Sample : 03390-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3DL

Quant Time: Jun 28 07:12:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

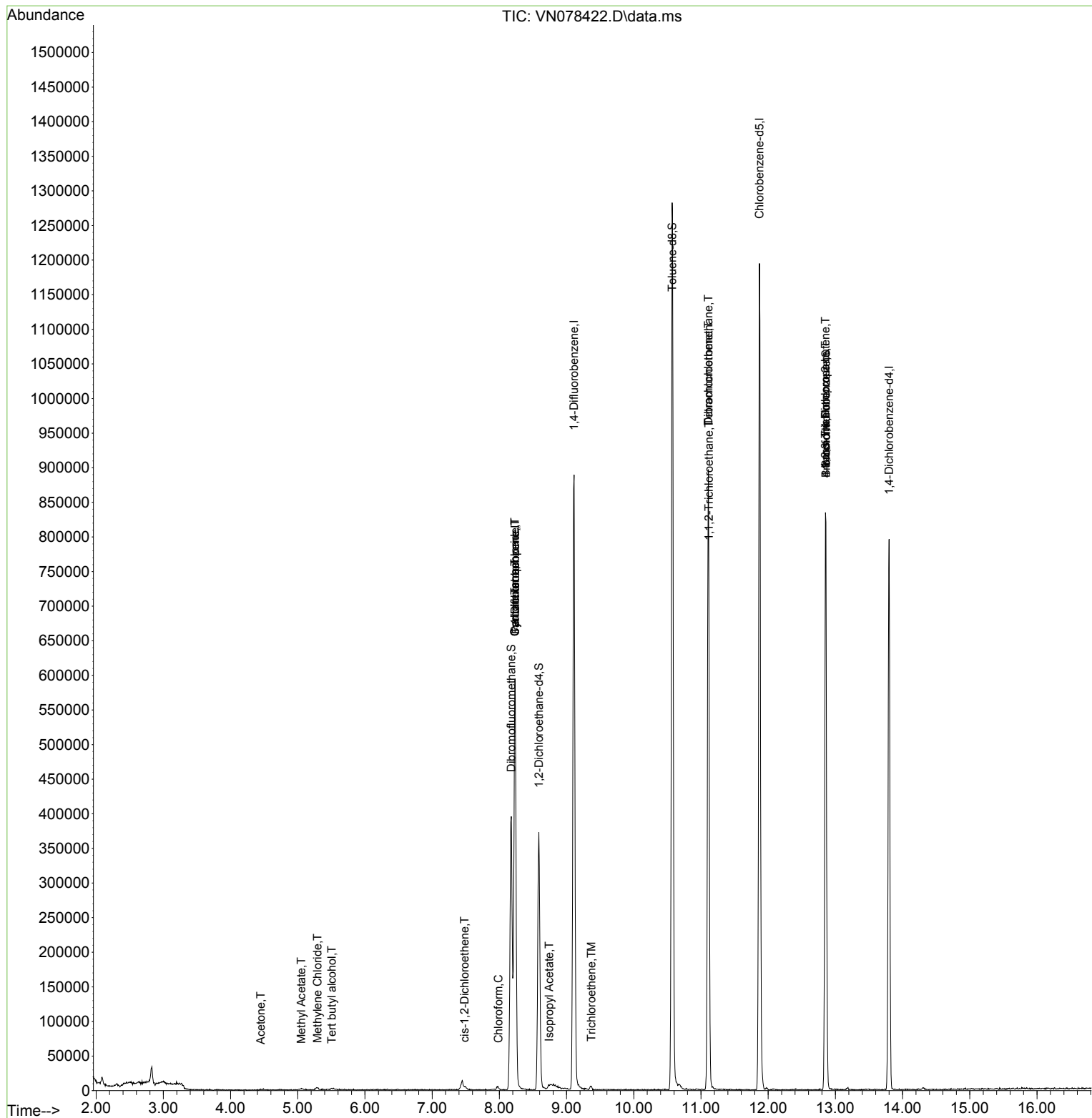
Internal Standards						
1) Pentafluorobenzene	8.235	168	433224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	791844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	727166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	217653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	304691	52.749	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.500%			
35) Dibromofluoromethane	8.177	113	285719	57.067	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.140%			
50) Toluene-d8	10.570	98	935188	48.452	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.900%			
62) 4-Bromofluorobenzene	12.859	95	311235	51.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.740%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1101	Below Cal	#	42
11) Tert butyl alcohol	5.506	59	765	0.959	ug/l #	72
16) Acetone	4.447	43	912	0.549	ug/l #	83
18) Methyl Acetate	5.053	43	3543	0.463	ug/l #	55
20) Methylene Chloride	5.294	84	2210	0.402	ug/l #	79
27) cis-1,2-Dichloroethene	7.482	96	1497	0.246	ug/l	39
30) Chloroform	7.988	83	4563	0.473	ug/l #	51
31) Cyclohexane	8.229	56	10911	1.473	ug/l #	42
36) 1,1-Dichloropropene	8.235	75	36466	5.078	ug/l #	49
38) Carbon Tetrachloride	8.229	117	44739	5.900	ug/l #	16
43) Isopropyl Acetate	8.741	43	5943	0.554	ug/l #	49
44) Trichloroethene	9.371	130	2025	0.358	ug/l	62
55) 1,1,2-Trichloroethane	11.118	97	1871	0.365	ug/l #	23
60) Dibromochloromethane	11.112	129	196238	35.021	ug/l #	11
64) Tetrachloroethene	11.112	164	195748	40.351	ug/l	98
71) Bromoform	12.859	173	2765	0.748	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.853	83	311	Below Cal	#	5
76) 1,2,3-Trichloropropane	12.853	75	159346	30.969	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	159346	95.145	ug/l #	15

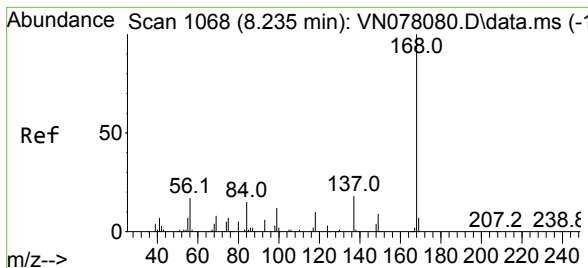
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 07 05:05:00 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078422.D

Acq: 27 Jun 2023 17:29

Instrument :

MSVOA_N

ClientSampleId :

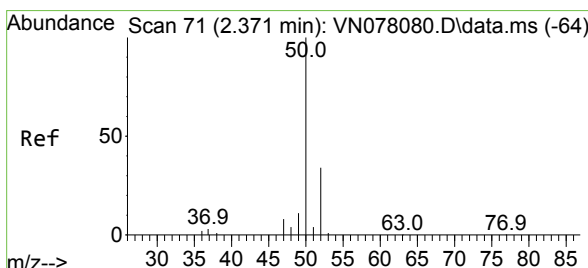
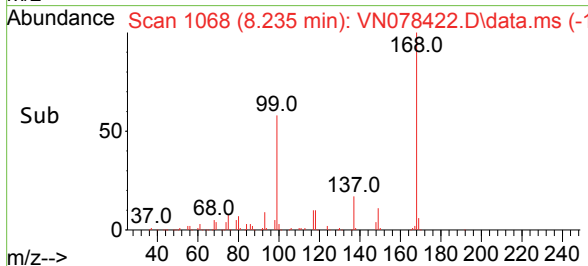
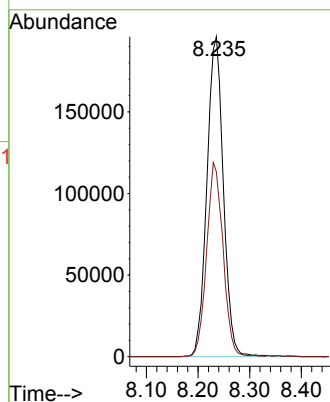
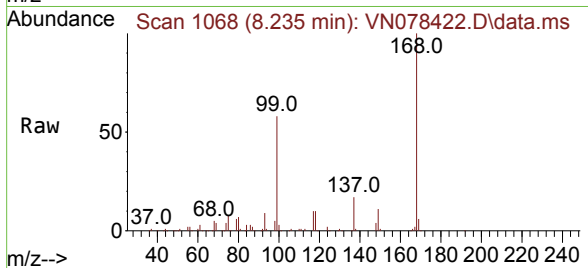
TW-3DL

Tgt Ion:168 Resp: 433224

Ion Ratio Lower Upper

168 100

99 57.8 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN078422.D

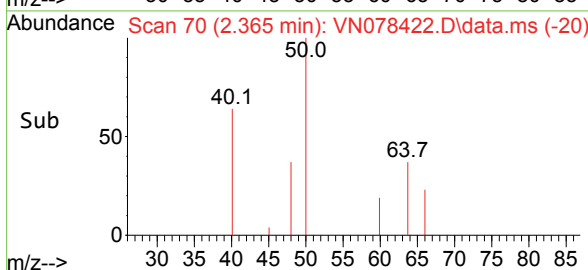
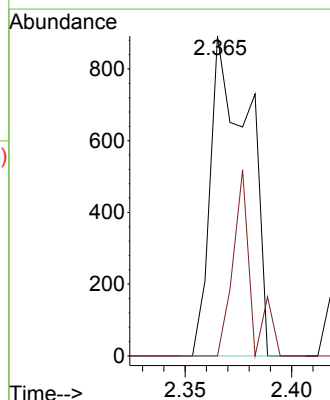
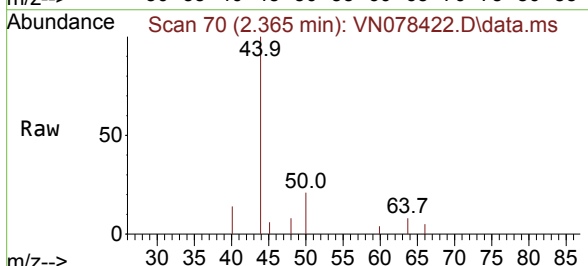
Acq: 27 Jun 2023 17:29

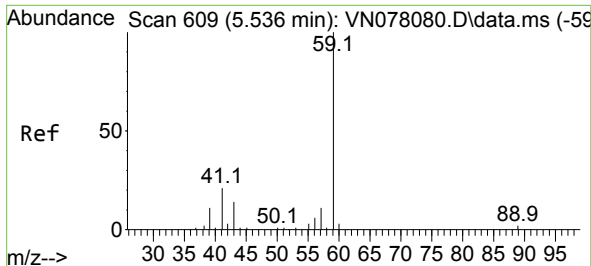
Tgt Ion: 50 Resp: 1101

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#





#11

Tert butyl alcohol

Concen: 0.959 ug/l

RT: 5.506 min Scan# 609

Delta R.T. -0.029 min

Lab File: VN078422.D

Acq: 27 Jun 2023 17:29

Instrument :

MSVOA_N

ClientSampleId :

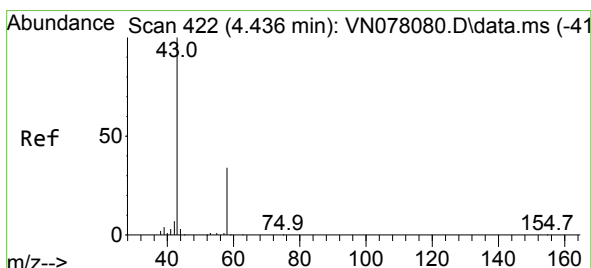
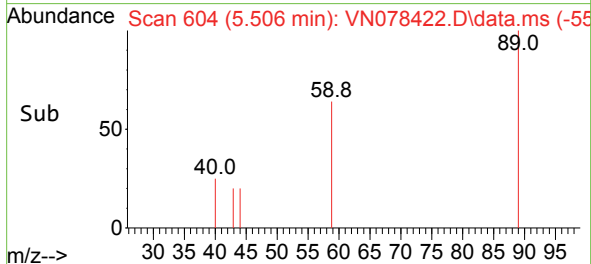
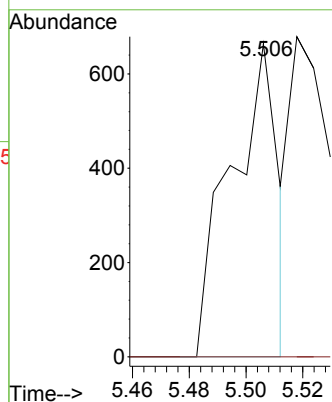
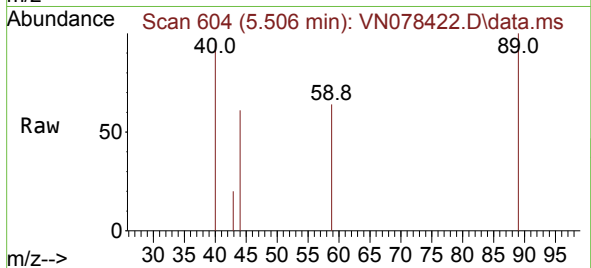
TW-3DL

Tgt Ion: 59 Resp: 765

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 0.549 ug/l

RT: 4.447 min Scan# 424

Delta R.T. 0.012 min

Lab File: VN078422.D

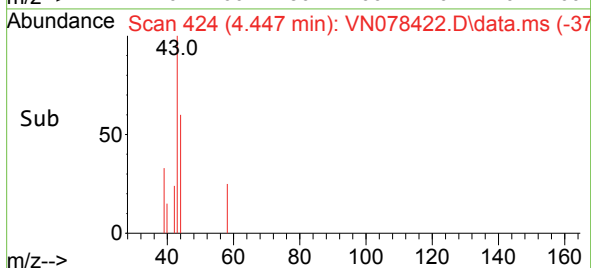
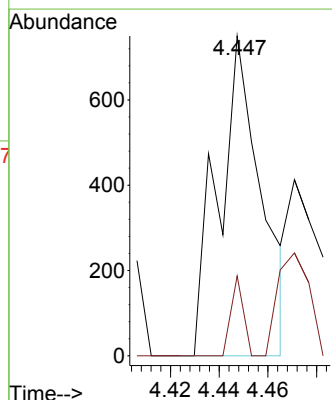
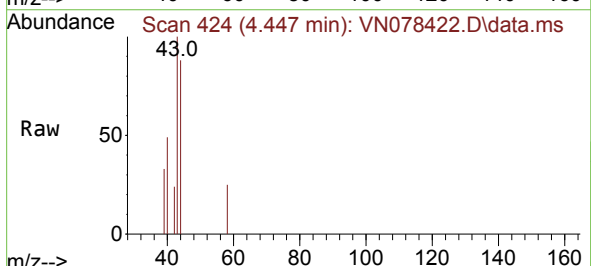
Acq: 27 Jun 2023 17:29

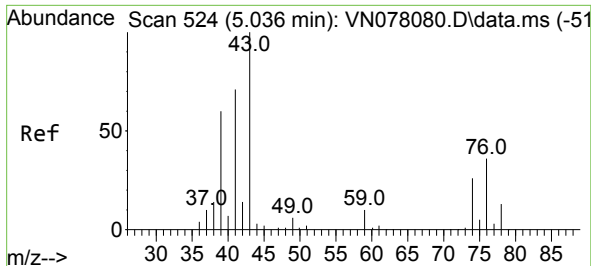
Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

58 24.9 28.0 42.0#

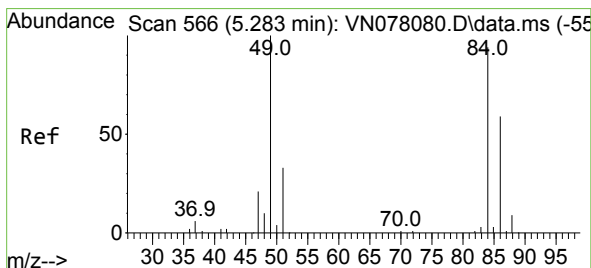
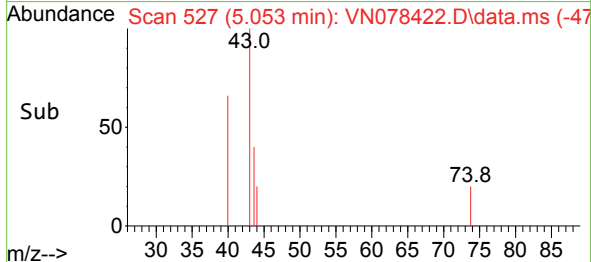
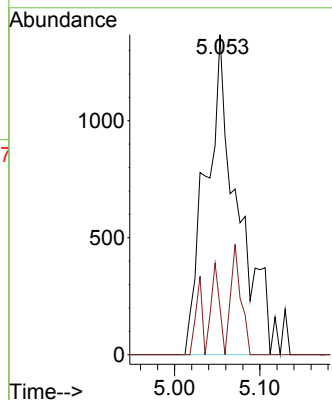
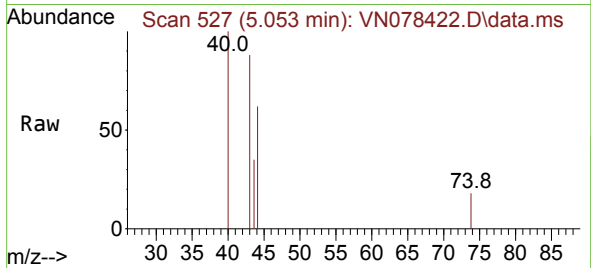




#18
Methyl Acetate
Concen: 0.463 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN078422.D
Acq: 27 Jun 2023 17:29

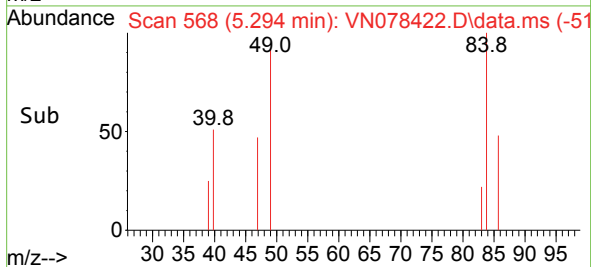
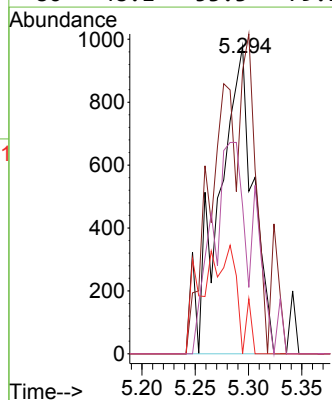
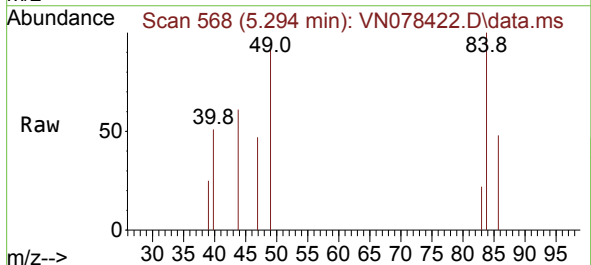
Instrument :
MSVOA_N
ClientSampleId :
TW-3DL

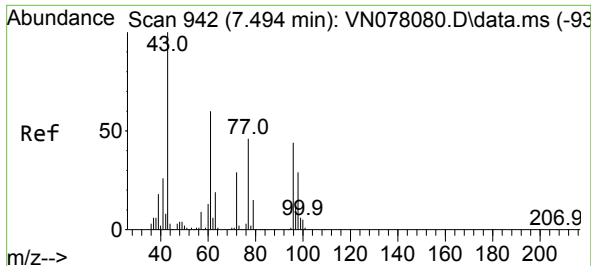
Tgt Ion: 43 Resp: 3543
Ion Ratio Lower Upper
43 100
74 7.6 26.2 39.4#



#20
Methylene Chloride
Concen: 0.402 ug/l
RT: 5.294 min Scan# 568
Delta R.T. 0.012 min
Lab File: VN078422.D
Acq: 27 Jun 2023 17:29

Tgt Ion: 84 Resp: 2210
Ion Ratio Lower Upper
84 100
49 92.1 79.7 119.5
51 0.0 25.2 37.8#
86 48.1 53.3 79.9#





#27

cis-1,2-Dichloroethene

Concen: 0.246 ug/l

RT: 7.482 min Scan# 94

Delta R.T. -0.012 min

Lab File: VN078422.D

Acq: 27 Jun 2023 17:29

Instrument :

MSVOA_N

ClientSampleId :

TW-3DL

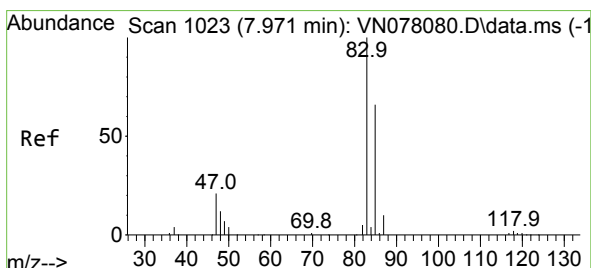
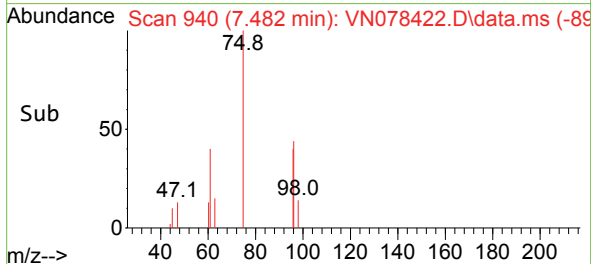
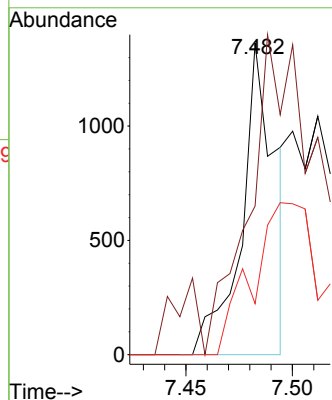
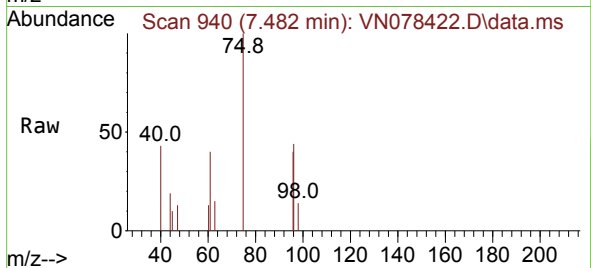
Tgt Ion: 96 Resp: 1497

Ion Ratio Lower Upper

96 100

61 208.4 0.0 255.2

98 98.6 0.0 128.8



#30

Chloroform

Concen: 0.473 ug/l

RT: 7.988 min Scan# 1026

Delta R.T. 0.018 min

Lab File: VN078422.D

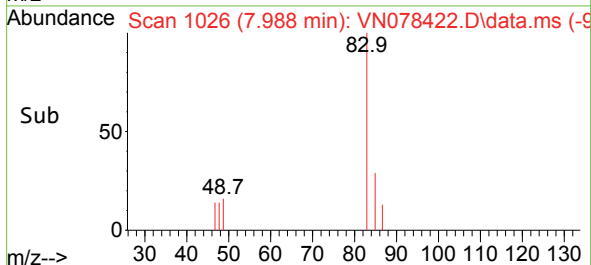
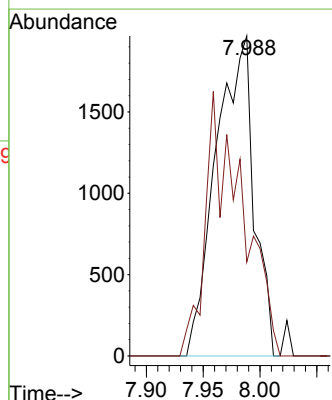
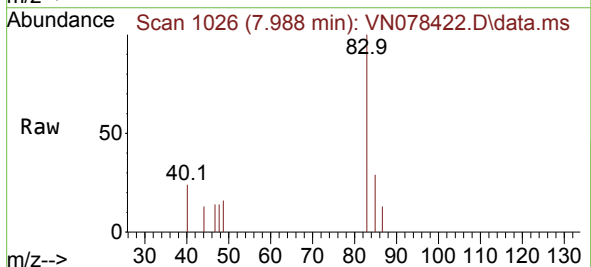
Acq: 27 Jun 2023 17:29

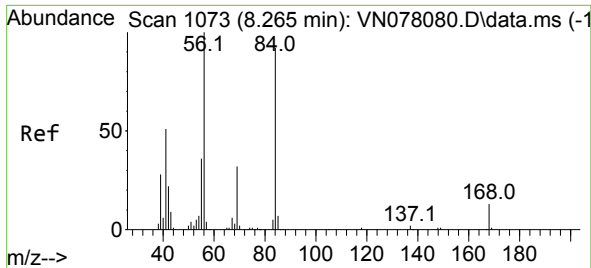
Tgt Ion: 83 Resp: 4563

Ion Ratio Lower Upper

83 100

85 29.3 55.4 83.0#

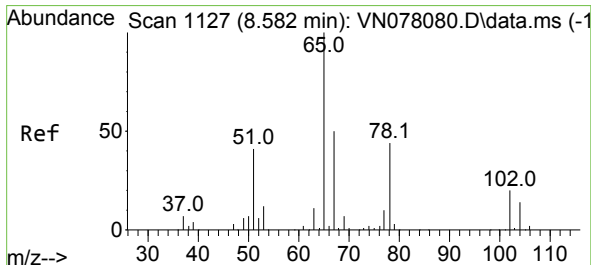
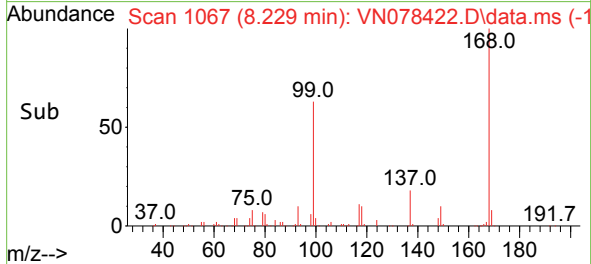
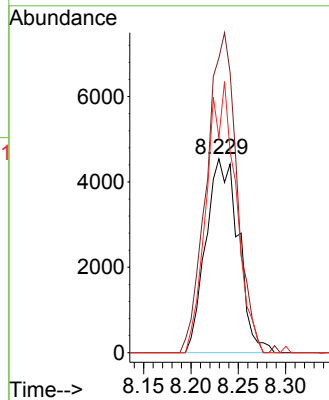
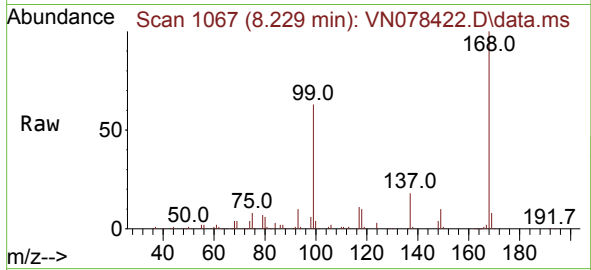




#31
Cyclohexane
Concen: 1.473 ug/l
RT: 8.229 min Scan# 10911
Delta R.T. -0.035 min
Lab File: VN078422.D
Acq: 27 Jun 2023 17:29

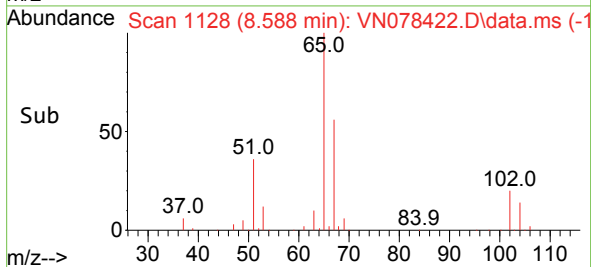
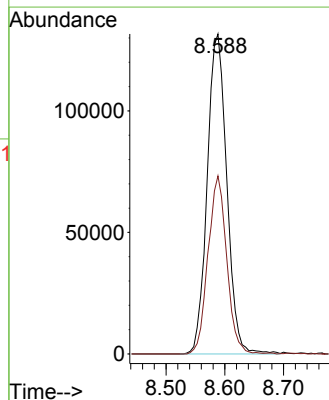
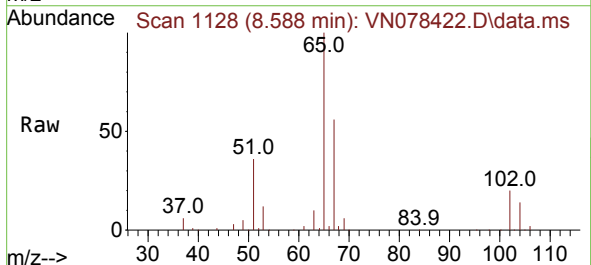
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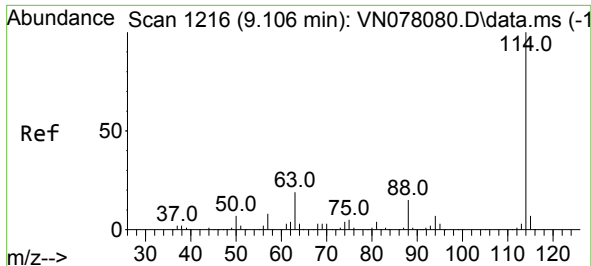
Tgt Ion: 56 Resp: 10911
Ion Ratio Lower Upper
56 100
69 152.1 26.8 40.2#
84 110.9 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.749 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078422.D
Acq: 27 Jun 2023 17:29

Tgt Ion: 65 Resp: 304691
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078422.D

Acq: 27 Jun 2023 17:29

Instrument :

MSVOA_N

ClientSampleId :

TW-3DL

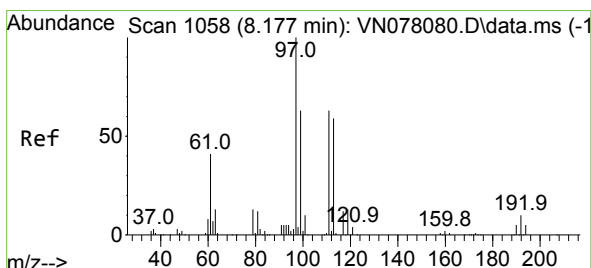
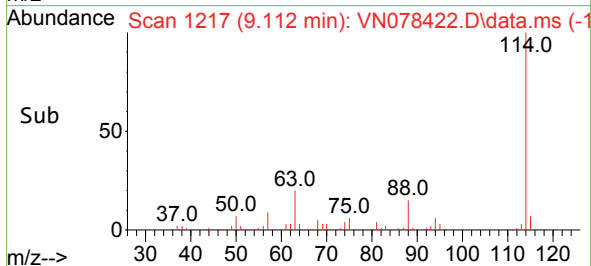
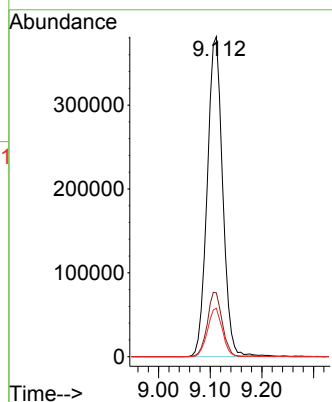
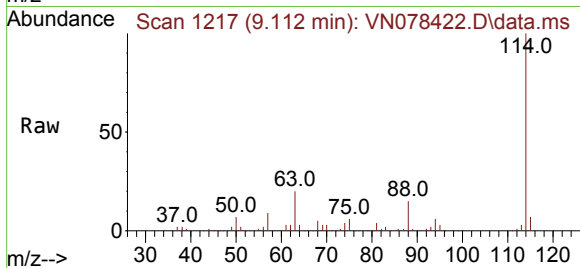
Tgt Ion:114 Resp: 791844

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.067 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078422.D

Acq: 27 Jun 2023 17:29

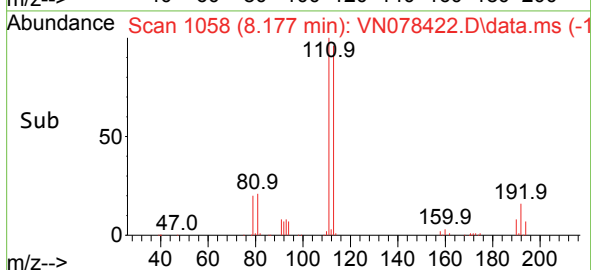
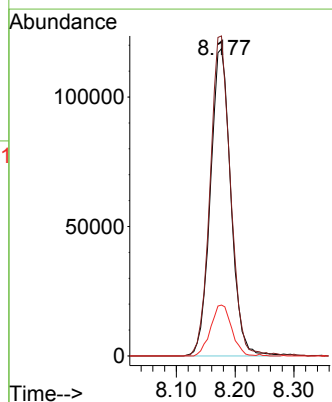
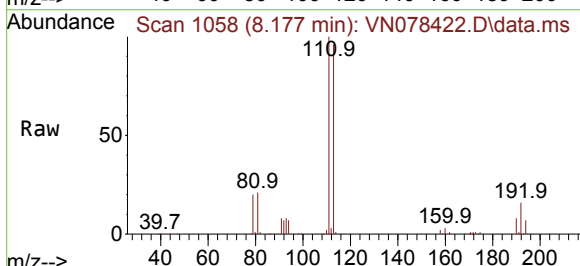
Tgt Ion:113 Resp: 285719

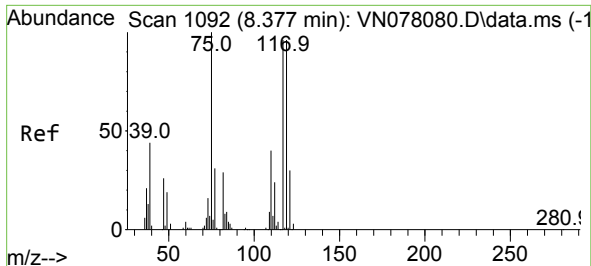
Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

192 17.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.078 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN078422.D

Acq: 27 Jun 2023 17:29

Instrument :

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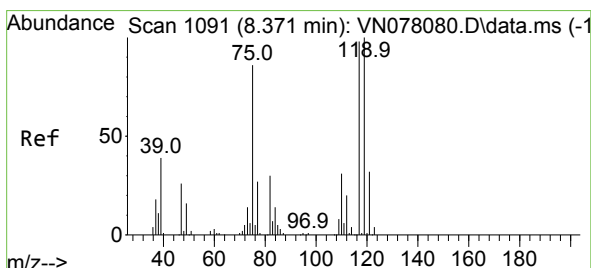
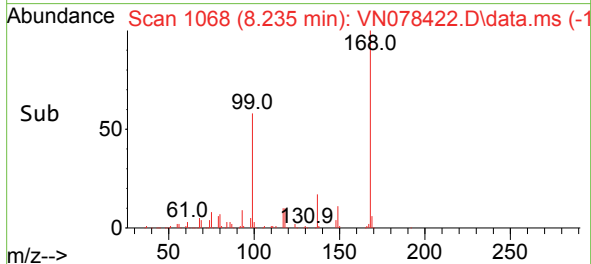
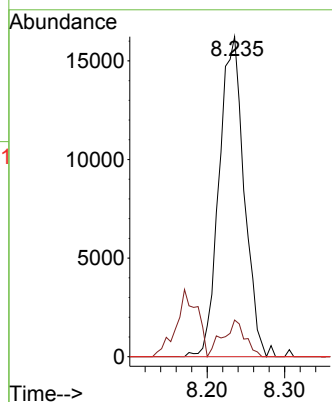
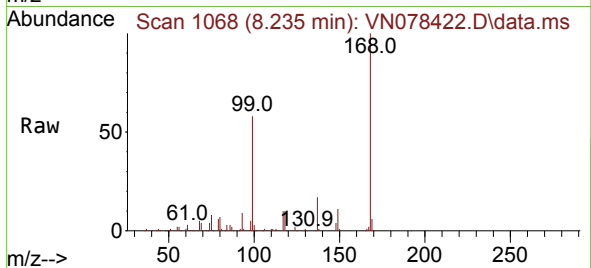
Tgt Ion: 75 Resp: 36466

Ion Ratio Lower Upper

75 100

110 10.2 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.900 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN078422.D

Acq: 27 Jun 2023 17:29

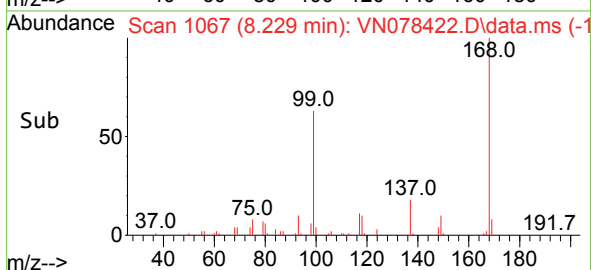
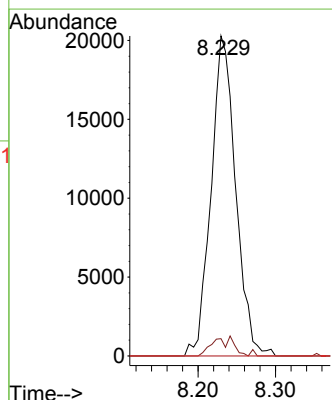
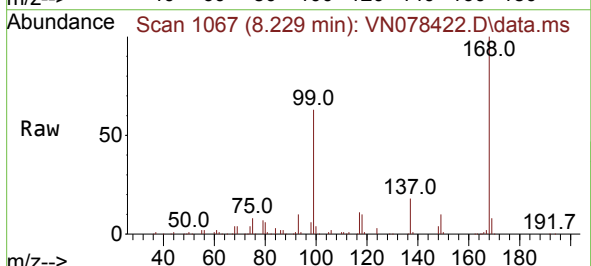
Tgt Ion: 117 Resp: 44739

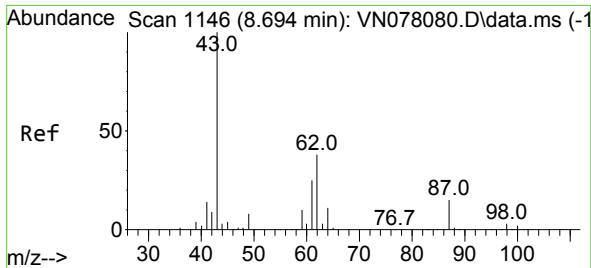
Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

121 0.0 23.3 34.9#

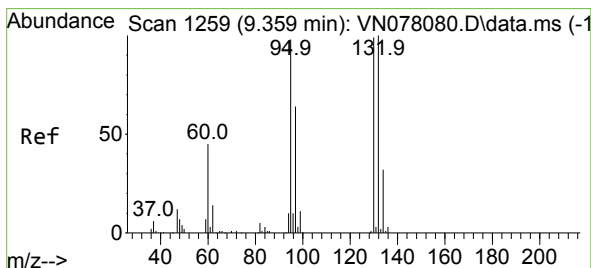
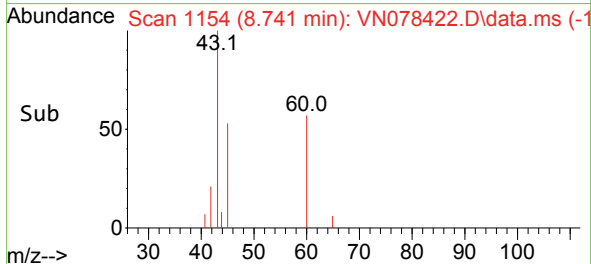
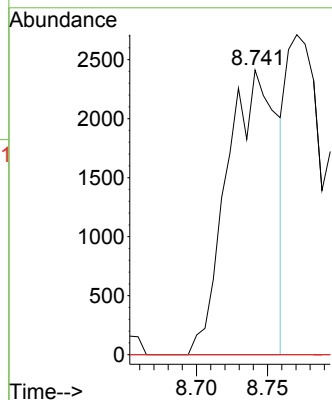
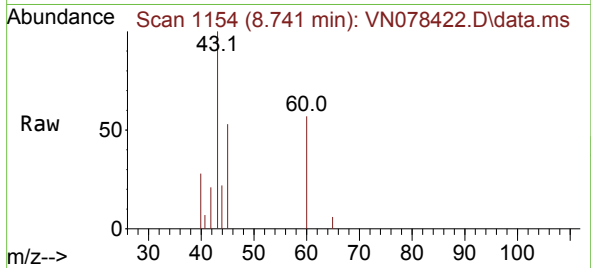




#43
Isopropyl Acetate
Concen: 0.554 ug/l
RT: 8.741 min Scan# 1154
Delta R.T. 0.047 min
Lab File: VN078422.D
Acq: 27 Jun 2023 17:29

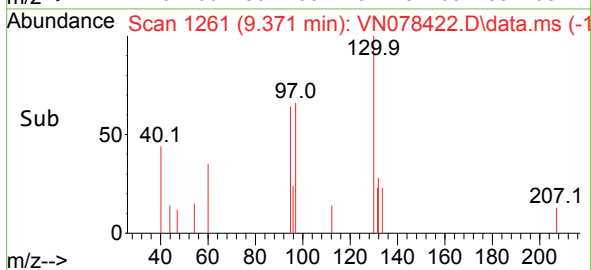
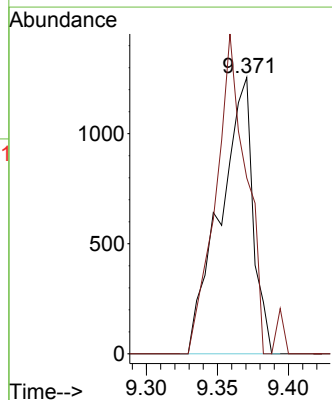
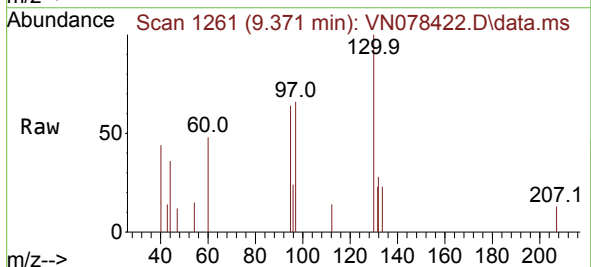
Instrument :
MSVOA_N
ClientSampleId :
TW-3DL

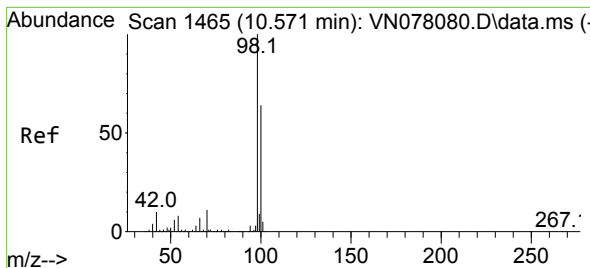
Tgt Ion: 43 Resp: 5943
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 0.358 ug/l
RT: 9.371 min Scan# 1261
Delta R.T. 0.012 min
Lab File: VN078422.D
Acq: 27 Jun 2023 17:29

Tgt Ion: 130 Resp: 2025
Ion Ratio Lower Upper
130 100
95 63.7 0.0 204.6





#50

Toluene-d8

Concen: 48.452 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078422.D

Acq: 27 Jun 2023 17:29

Instrument :

MSVOA_N

ClientSampleId :

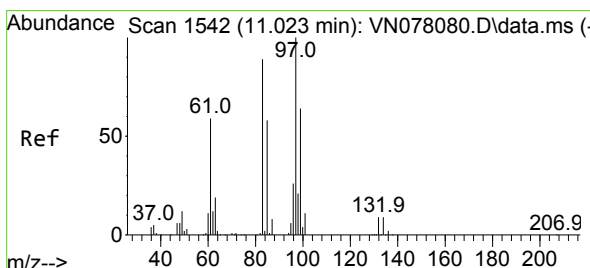
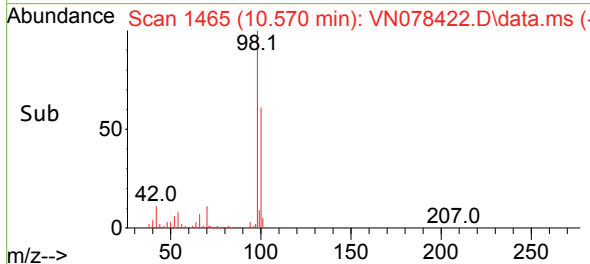
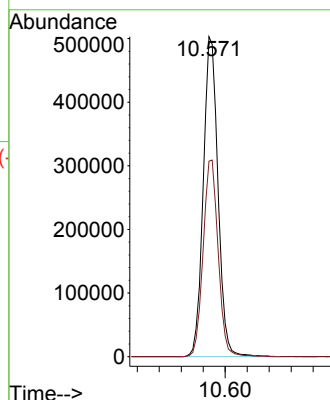
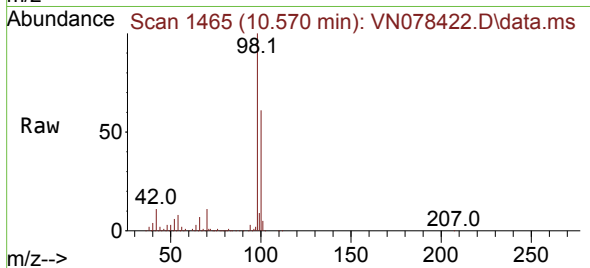
TW-3DL

Tgt Ion: 98 Resp: 935188

Ion Ratio Lower Upper

98 100

100 62.7 52.0 78.0



#55

1,1,2-Trichloroethane

Concen: 0.365 ug/l

RT: 11.118 min Scan# 1558

Delta R.T. 0.094 min

Lab File: VN078422.D

Acq: 27 Jun 2023 17:29

Tgt Ion: 97 Resp: 1871

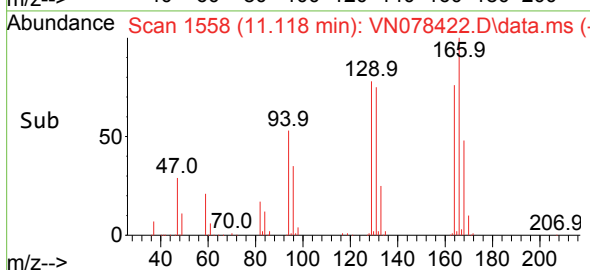
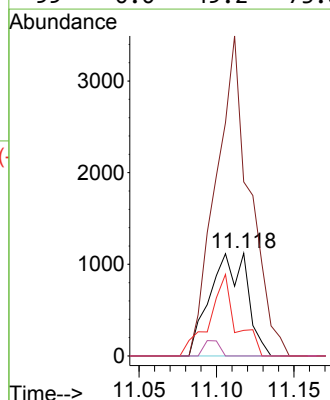
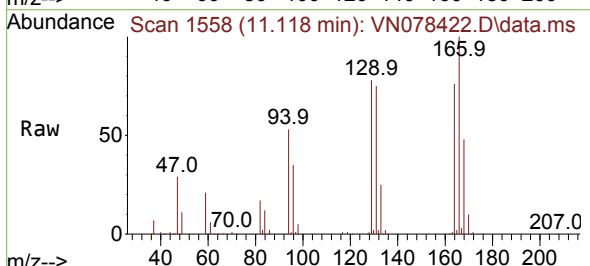
Ion Ratio Lower Upper

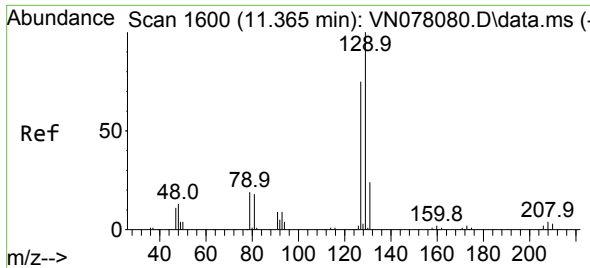
97 100

83 169.6 65.1 97.7#

85 25.0 43.4 65.2#

99 0.0 49.2 73.8#

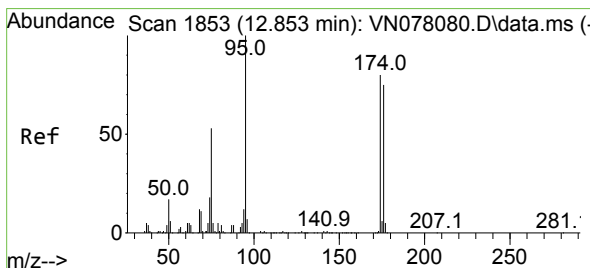
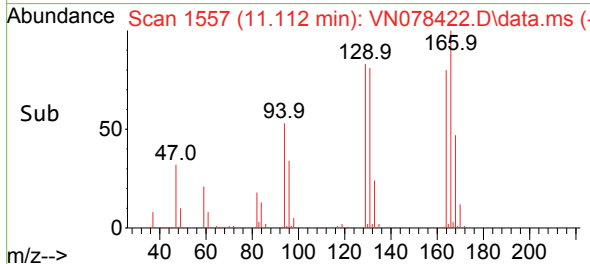
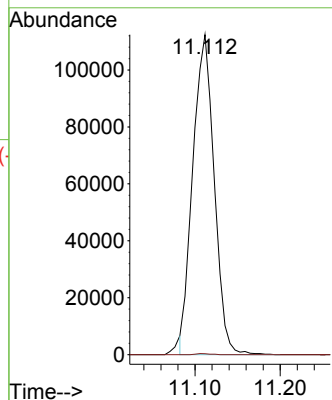
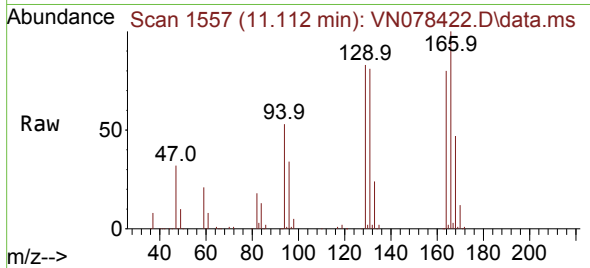




#60
Dibromochloromethane
Concen: 35.021 ug/l
RT: 11.112 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN078422.D
Acq: 27 Jun 2023 17:29

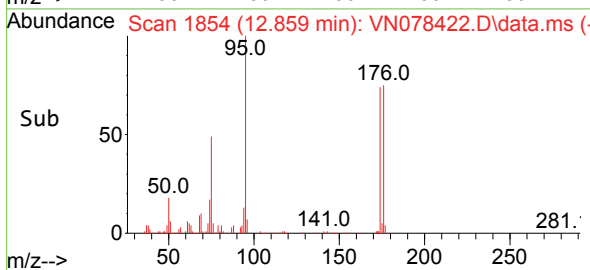
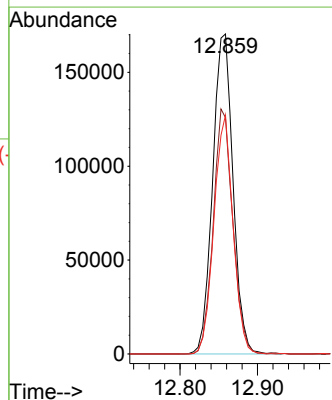
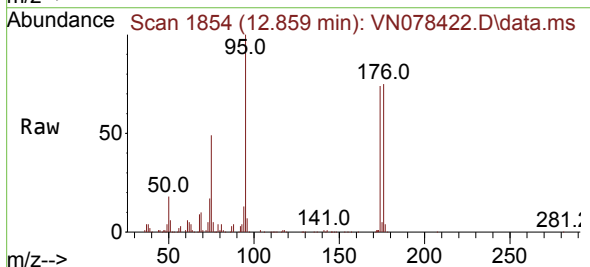
Instrument :
MSVOA_N
ClientSampleId :
TW-3DL

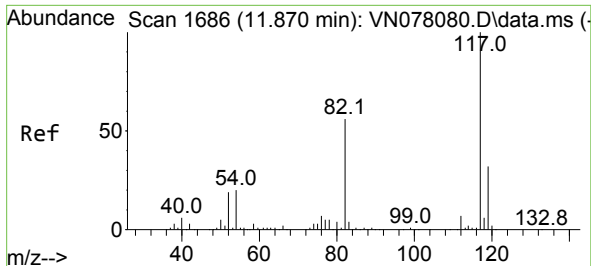
Tgt Ion:129 Resp: 196238
Ion Ratio Lower Upper
129 100
127 0.2 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 51.870 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078422.D
Acq: 27 Jun 2023 17:29

Tgt Ion: 95 Resp: 311235
Ion Ratio Lower Upper
95 100
174 73.7 0.0 143.8
176 70.3 0.0 135.8

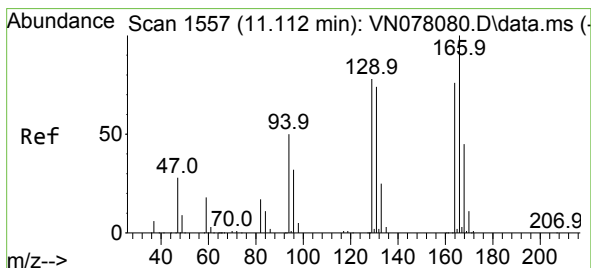
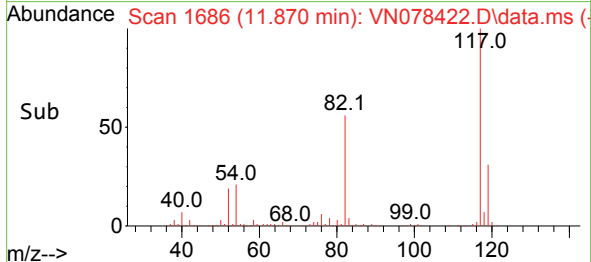
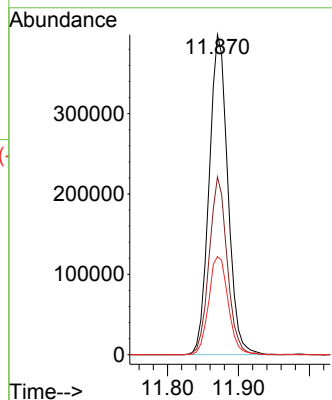
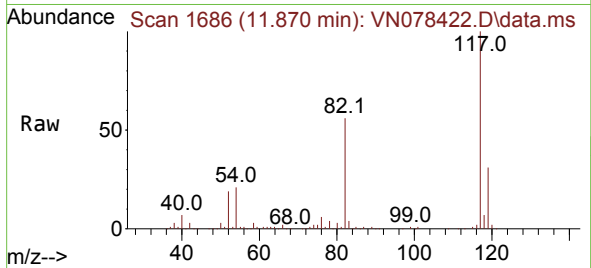




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078422.D
Acq: 27 Jun 2023 17:29

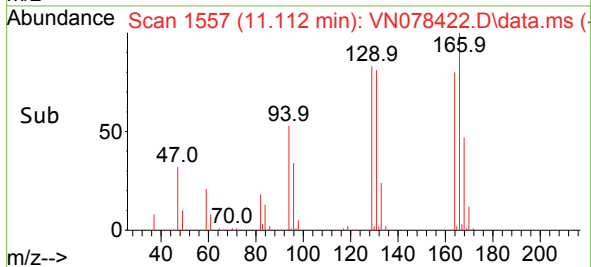
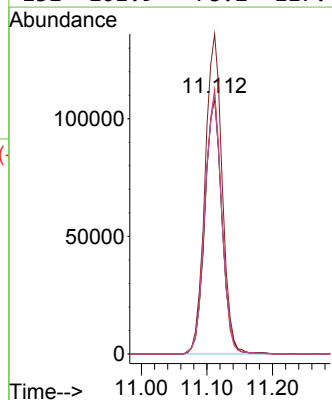
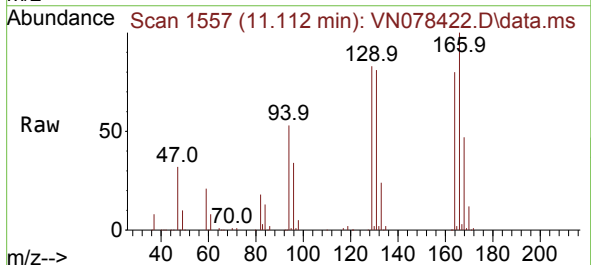
Instrument :
MSVOA_N
ClientSampleId :
TW-3DL

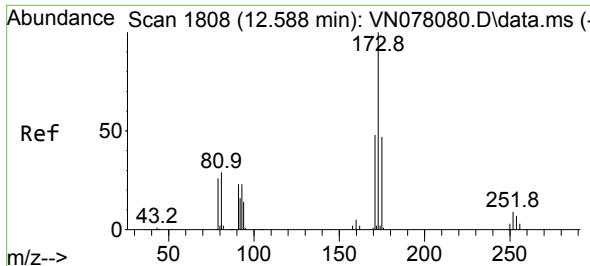
Tgt Ion:117 Resp: 727166
Ion Ratio Lower Upper
117 100
82 55.6 44.0 66.0
119 30.7 25.6 38.4



#64
Tetrachloroethene
Concen: 40.351 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN078422.D
Acq: 27 Jun 2023 17:29

Tgt Ion:164 Resp: 195748
Ion Ratio Lower Upper
164 100
166 125.2 101.4 152.0
129 103.4 82.4 123.6
131 101.9 78.2 117.4

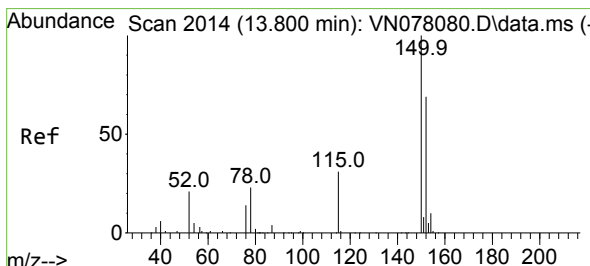
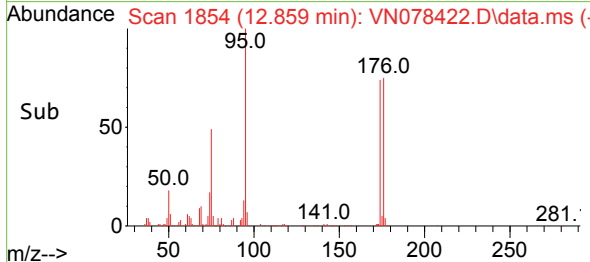
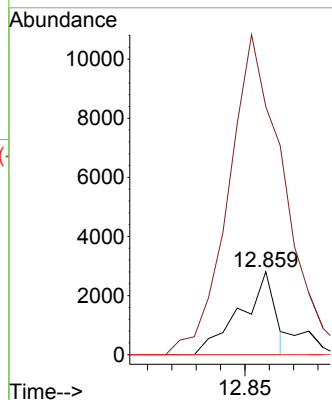
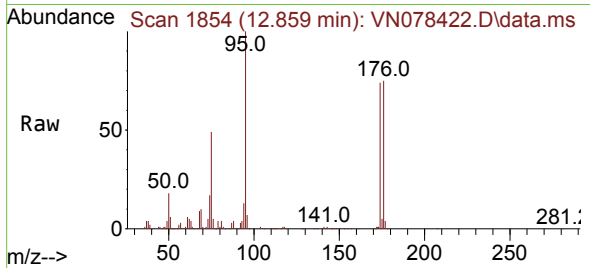




#71
Bromoform
Concen: 0.748 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078422.D
Acq: 27 Jun 2023 17:29

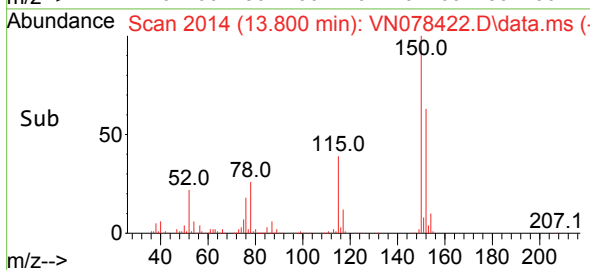
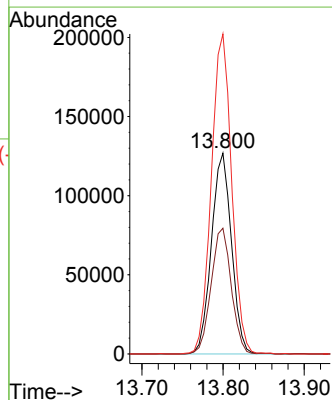
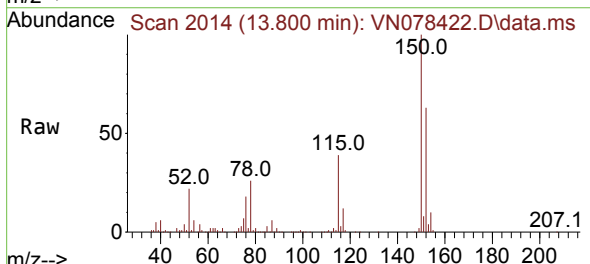
Instrument :
MSVOA_N
ClientSampleId :
TW-3DL

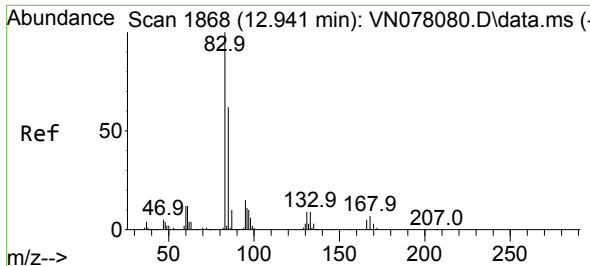
Tgt Ion:173 Resp: 2765
Ion Ratio Lower Upper
173 100
175 526.5 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078422.D
Acq: 27 Jun 2023 17:29

Tgt Ion:152 Resp: 217653
Ion Ratio Lower Upper
152 100
115 63.1 32.3 96.8
150 161.6 0.0 355.8

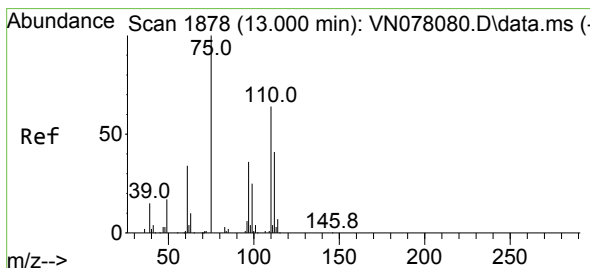
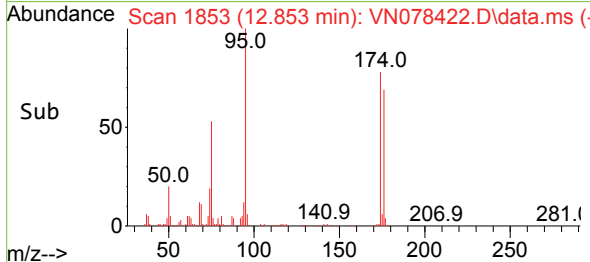
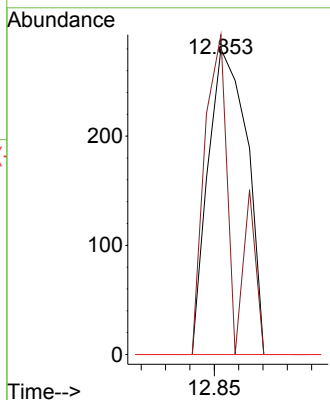
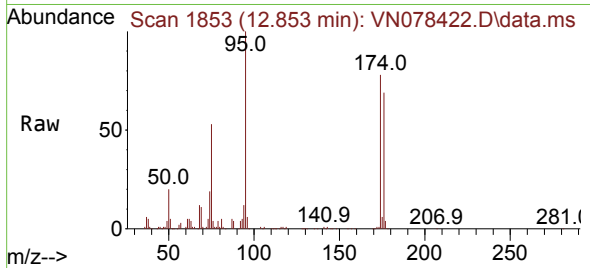




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.088 min
 Lab File: VN078422.D
 Acq: 27 Jun 2023 17:29

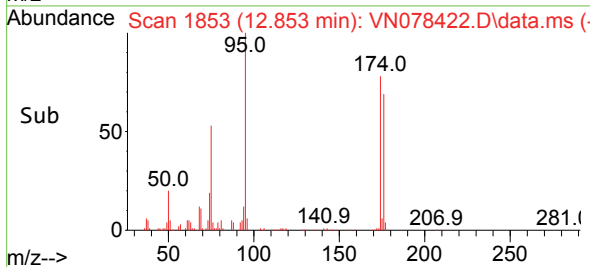
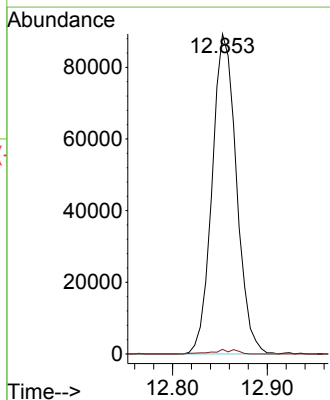
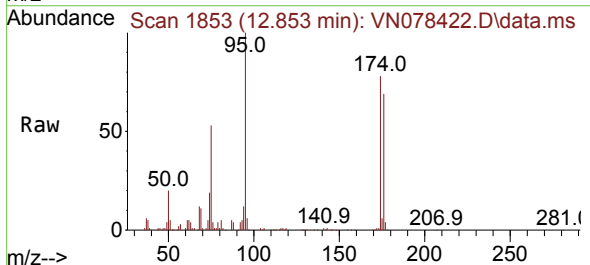
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3DL

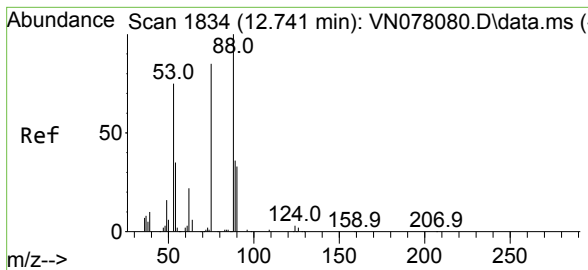
Tgt Ion: 83 Resp: 311
 Ion Ratio Lower Upper
 83 100
 131 75.6 5.0 15.0#
 85 0.0 31.9 95.7#



#76
 1,2,3-Trichloropropane
 Concen: 30.969 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078422.D
 Acq: 27 Jun 2023 17:29

Tgt Ion: 75 Resp: 159346
 Ion Ratio Lower Upper
 75 100
 77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.145 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078422.D
 Acq: 27 Jun 2023 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3DL

Tgt Ion: 75 Resp: 159346
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

